# REMARKS on some PARASITIC NEMATODES 

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Fig. 1-8.
The examination of this small collection of vematodes was undertaken as part of our investigations which are assisted by the Commonwealth Research Grant to the University of Adelaide, Messrs, G. Jaensch and L. Ellis, of Tailem Bend, have generously belped us in regard to the local material. Types and allotypes have been deposited in the South Australian Museum. The following is a list of parasites arranged under their hosts:

Lagenorhyncius obscturvs Gray (New Zealand) : Anisakis simplex (Rud,).
Kogla breviceps (Blainville), (Queensland; South Australie) : Anisakis simplow syn. A. kogiae Johuston and Mawson.
Pachyptila desolata Gmel, (St. Vincent's Gulf, S.A.) : Paryseria puchyptilae Johnston aud Mawson; Anisakis sp. (9 diomedeae).
Pelecanus conseiombatus Temm. (Tailem Bend, S.A,) = Dispharynex pelecani n.sp;; Cosmacephalus , nonsehi Johnston and Mawson. Tetramercs polecani Johnston and Mawson.
Phalacrocorar ruscescens Vieill, (Tailem Behd, S.A.): Eustrongylides phalacroooracis Johnston and Mawson.

## Antsakis simpleex (Radolphi 1809).

Eig. 1-3. From a dolphin, Lagenorhynchus obscurus, from Cook Strait, New Zealand, material collected and forwarded by Professor II. B. Kirk, Victoria University College, Wellington. The material consists of a male 45 mm , long, two young females, and an older female 76 mm . long. Dorsal lip rather shorter than laterals, with two wide lateral expansions and slightly bilobed anterior expansions, latter bearing teeth along free edge. Each lateral lip with a hnmp bearing a papilla on its ventral side; bilobed dentigerous ridge present, not visible from outside of lip. Cervical papillae rounded, 5 mm . from anterior end in male, .72 mm . in female. Nerve ring at about same level as cervical papilla. Oesophagus excluding ventricolus 2.86 mm . Jony in male, $5 \cdot 2 \mathrm{~mm}$. in female; ventriculus 1.1 mm . in male, 1.2 mm . in female.

Male : Spicules 1.2 mm , and 2 mm , in length, tail $\cdot 35 \mathrm{~mm}$. long. Narrow candal alae present. Six pairs of postanal papillae arranged as in fig. 3. Numerous preanal papillae arranged in an irregular longitudinal series on each side.

Female: Vulva not seen, probably about middle of body. Eggs small, more or less spherical, 32-36 $\mu$ in diameter. Tail very short, rounded.

Orur specimens agree in most points with the description of A nisakis simplex given by Lyster (1940), but the ventriculus is rather longer, and the papillae on the male tail are somewhat differently arranged. They differ from the account by Baylis (1920) in the possession of unequal spicules, although in this featnre they resemble $A$. dussumieri, A. kutionthatii and A. typica, which are considered synonyms of A. simplex.

In 1989 we described A. koqiae as a new species because of differences from A, simplex and allied forms as described in such accounts as were then available. Quite recently Lyster (1940) has given a much more satisfactory account of A. simplex: we believe that our A. kogiao is covered by his description and we therefore place it as a synonym of $A$ simplex.

